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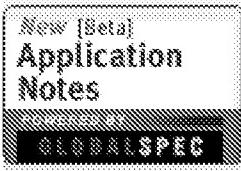
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1. Performance of UWB-IR with polarity randomization and interleaved cod multipath fading channels
Pietrzik, M.M.; Weber, J.H.;
[Vehicular Technology Conference, 2005. VTC 2005-Spring. 2005 IEEE 61st Volume 2, 30 May-1 June 2005 Page\(s\):1365 - 1369 Vol. 2 Digital Object Identifier 10.1109/VETECS.2005.1543532](#)
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Giannakis, Georgios B. / Yang, Liuqing, *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Dec 2004
patno:US20040240527

...to different frames are interleaved. Transmitters 12 output a UWB transmission signal from the stream of chips. [0044] The stream...white Gaussian noise (AWGN). [0046] Receivers 14 receive the UWB transmission signal output by transmitters 12 and output a stream...

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Inventor Information for 10/796895

Inventor Name	City	State/Country
GIANNAKIS, GEORGIOS B.	MINNETONKA	MINNESOTA
YANG, LIUQING	FALCON HEIGHTS	MINNESOTA

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Your Search was:

Last Name = GIANNAKIS

First Name = GEORGIOS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
60274365	Not Issued	159	03/08/2001	Chip-interleaved block-spread code division multiple access	GIANNAKIS, GEORGIOS
60274367	Not Issued	159	03/08/2001	Finite-alphabet based channel estimation for OFDM and related multi-carrier systems	GIANNAKIS, GEORGIOS
60906989	Not Issued	20	03/14/2007	Stochastic routing in wireless multihop networks	GIANNAKIS, GEORGIOS
09838621	6912241	150	04/19/2001	CHIP-INTERLEAVED, BLOCK-SPREAD MULTI-USER COMMUNICATION	GIANNAKIS, GEORGIOS B.
10094946	7139321	150	03/07/2002	CHANNEL ESTIMATION FOR WIRELESS OFDM SYSTEMS	GIANNAKIS, GEORGIOS B.
10158390	7190734	150	05/28/2002	SPACE-TIME CODED TRANSMISSIONS WITHIN A WIRELESS COMMUNICATION NETWORK	GIANNAKIS, GEORGIOS B.
10420351	Not Issued	30	04/21/2003	Space-time coding using estimated channel information	GIANNAKIS, GEORGIOS B.
10420352	7224744	150	04/21/2003	SPACE-TIME MULTIPATH CODING SCHEMES FOR WIRELESS COMMUNICATION SYSTEMS	GIANNAKIS, GEORGIOS B.
10420353	7292647	150	04/21/2003	WIRELESS COMMUNICATION SYSTEM HAVING LINEAR ENCODER	GIANNAKIS, GEORGIOS B.
10420361	7251768	150	04/21/2003	WIRELESS COMMUNICATION SYSTEM HAVING ERROR-CONTROL CODER AND LINEAR PRECODER	GIANNAKIS, GEORGIOS B.
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10828104	Not Issued	41	04/20/2004	Space-time-frequency coded OFDM communications over frequency-selective fading channels	GIANNAKIS, GEORGIOS B.
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60220899	Not Issued	159	07/25/2000	Methods and apparatus for crosstalk cancellation in DSL modems	GIANNAKIS, GEORGIOS B.
60293476	Not	159	05/25/2001	Space-time coded transmission	GIANNAKIS,

	Issued			with maximum diversity gains over frequency-selective multipath fading channels	GEORGIOS B.
60374886	Not Issued	159	04/22/2002	Transceiver designs combining complex-field coding with galois-field coding and low-complexity turbo-decoding for wireless fading communication channels	GIANNAKIS, GEORGIOS B.
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60453659	Not Issued	159	03/08/2003	Low-complexity training for timing acquisition in ultra wideband communications	GIANNAKIS, GEORGIOS B.
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Last Name = YANG

First Name = LIUQING

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10796563	7340009	150	03/08/2004	SPACE-TIME CODING FOR MULTI-ANTENNA ULTRA-WIDEBAND TRANSMISSIONS	YANG, LIUQING
10796567	Not Issued	95	03/08/2004	TIMING SYNCHRONIZATION USING DIRTY TEMPLATES IN ULTRA WIDEBAND (UWB) COMMUNICATIONS	YANG, LIUQING
10796570	Not Issued	61	03/08/2004	Pilot waveform assisted modulation for ultra-wideband communications	YANG, LIUQING
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10796895, filed 03/08/2004

Claims Priority from Provisional Application 60453809, filed 03/08/2003

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Assignments

Filing or 371(c) Date: 03/08/2004 eDan

Effective Date: 03/08/2004

Application Received: 03/10/2004

Pat. Num./Pub. Num: /20040240527

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: 1008-011US01

Status: 41 /NON FINAL ACTION MAILED

Confirmation Number: 1645

Examiner Number: 80488 / TORRES, JUAN

Group Art Unit: 2611

IFW Madras

Class/Subclass:

375/138.000

Waiting for Response
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Lost Case: NO

Prior Art Filed

Interference Number:

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Unmatched Petition: NO

L&R Code: Secrecy Code:1

Third Level Review: NO

Secrecy Order: NO

Status Date: 11/14/2007

Oral Hearing: NO

Title of Invention: MULTI-USER INTERFERENCE RESILIENT ULTRA WIDEBAND (UWB)
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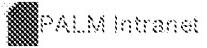
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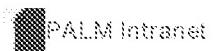


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